

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"5706371".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 12:17
L2	40	("4836638"   "5481629"   "5542013"   "5611006").PN. OR ("5706371").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 12:17
L3	13	("3208860"   "4304584"   "4701011"   "4818080"   "4864869"   "5706371").PN. OR ("6535655").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/11 12:24
L4	41	(US-20040175073-\$ or US-20030103725-\$ or US-20030206690-\$ or US-20030063853-\$ or US-20030223701-\$ or US-20050094934-\$ or US-20030048997-\$ or US-20040114876-\$ or US-20040120650-\$ or US-20030123827-\$ or US-20050036740-\$ or US-20030138183-\$ or US-20030118294-\$ or US-20020081066-\$).did. or (US-6496623-\$ or US-6430337-\$ or US-6493484-\$ or US-5267342-\$ or US-6907163-\$ or US-6085002-\$ or US-6580842-\$ or US-6272264-\$ or US-6792211-\$ or US-6804423-\$ or US-6485191-\$ or US-6477289-\$ or US-5384874-\$ or US-5682452-\$ or US-4893890-\$ or US-4925267-\$ or US-5768458-\$ or US-5375181-\$ or US-5479541-\$ or US-6084994-\$ or US-6751379-\$ or US-6282339-\$ or US-6438290-\$ or US-5325456-\$ or US-6920255-\$ or US-6535655-\$). did. or (US-7172344-\$).did.	US-PGPUB; USPAT	OR	ON	2007/10/11 12:27
L5	38	(I1 or I2 or I3 or I4) and (tube or sleeve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 12:27
L6	7	((capillary near2 tube) or sleeve or ferrule) with (blind near2 cut))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 12:56

## EAST Search History

S1	24	("5325456".pn.) or ("5375181".pn.) OR ("6282339".PN.) or ("4682018".PN.) OR ("4743751".PN.) OR ("5815497".PN.) OR ("5864577".PN.) OR ("5850390".pn.) or ("6625174".pn.) or ("5973327".pn.) or ("6512231".pn.) or ("6583419".pn.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 12:18
S2	3690	385/33,50,72,74.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 10:25
S3	359	S2 and (((fiber or waveguide or lightguide) with (lens or lenses)) with (ferrule or tube or ferrules or tubes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/09 16:52
S4	39	S2 and (((fiber or waveguide or lightguide) with (lens or lenses)) with (ferrule or tube or ferrules or tubes)) with (substrate or support or base))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 10:26
S5	0	(((((fiber or waveguide or lightguide) with (lens or lenses)) with (ferrule or tube or ferrules or tubes)) with (substrate or support or base)) and (((substrate or base or support) with (drill or drilled or drilling)) with (angle or slanted or angled or slant or inclined or incline))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 11:07
S6	7	(((((fiber or waveguide or lightguide) with (lens or lenses)) with (ferrule or tube or ferrules or tubes)) with (substrate or support or base)) and (((substrate or base or support) with (cut or cuts or cutting or shaped or shapes or shape)) with (angle or slanted or angled or slant or inclined or incline))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 10:24
S7	4227	385/33,50,72,74,93.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/09 16:51
S8	517	S7 and (((fiber or waveguide or lightguide) with (lens or lenses)) with (ferrule or tube or ferrules or tubes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 10:34

## EAST Search History

S9	62	S7 and (((fiber or waveguide or lightguide) with (lens or lenses)) with (ferrule or tube or ferrules or tubes)) with (substrate or support or base))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 10:26
S10	23	S9 not S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 10:26
S11	66	("4897711"   "4919506"   "5066090"   "5073003"   "5093879"   "5357590"   "5390271"   "5420953").PN. OR ("5600741"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 10:27
S12	7	("5125054"   "5170448"   "5394490"   "5600741"   "6236786"   "6285808").PN. OR ("6804423"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 10:29
S13	56	(((fiber or waveguide or lightguide) with (lens or lenses)) with (ferrule or tube or ferrules or tubes)) and(substrate or support or base)) and (((substrate or base or support) with (cut or cutting or cuts or etch or etching or etched or shaped or shape or shaping)) with (angle or slanted or angled or slant or inclined or incline))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 11:13

## EAST Search History

S14	35	(US-20050226563-\$ or US-20020081066-\$ or US-20050036740-\$ or US-20040175073-\$ or US-20040109640-\$ or US-20040086226-\$ or US-20040062478-\$ or US-20030219203-\$ or US-20030206690-\$ or US-20030185519-\$ or US-20030185507-\$ or US-20030179993-\$ or US-20030138215-\$ or US-20030138183-\$ or US-20030103725-\$ or US-20030063853-\$ or US-20030044115-\$ or US-20050147345-\$ or US-20030081897-\$).did. or (US-6282339-\$ or US-5375181-\$ or US-5325456-\$ or US-5768458-\$ or US-6804423-\$ or US-6430337-\$ or US-6907163-\$ or US-6850669-\$ or US-6792211-\$ or US-6751379-\$ or US-6438290-\$ or US-5682452-\$ or US-5479541-\$ or US-5384874-\$ or US-4925267-\$ or US-4893890-\$). did.	US-PGPUB; USPAT	OR	ON	2006/02/10 11:11
S15	0	S14 and (drill or drilled or drilling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 11:12
S16	0	(((((fiber or waveguide or lightguide) and (lens or lenses)) with (ferrule or tube or ferrules or tubes)) and ((drill or drilled or drilling) near5 (substrate or support or base))) and (((substrate or base or support) with (cut or cutting or cuts or etch or etching or etched or shaped or shape or shaping)) with (angle or slanted or angled or slant or inclined or incline)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 11:14
S17	12	S14 and (cuts or cutting or cut)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 11:29

## EAST Search History

S18	20	("4119363"   "4615031"   "4701011"   "4826276"   "4844573"   "4865410"   "5037174"   "5046798"   "5074682").PN. OR ("5325456").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 11:42
S19	4	("6496623" or "4701001").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 11:46
S20	10	("20020067886"   "4252294"   "4883333"   "5159491"   "5345336"   "5742720"   "6269203"   "6620154").PN. OR ("6751379").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 12:00
S21	7	("5125054"   "5170448"   "5394490"   "5600741"   "6236786"   "6285808").PN. OR ("6804423").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 12:02
S22	10	("5550941"   "5625734"   "5764832"   "6064783").PN. OR ("6285808").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/10 12:05
S23	4	("6282339" or "5375181").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/10 12:05
S24	288	((filter or isolater) near2 (channel or groove or trench or recess)) and ((lens or micro-lens or microlens or collimator or focusing) with (fiber or fibre)) and ("385"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 13:48
S25	1149	((opening or via or groove or trnech or channel or hole or recess) near2 (ferrule ot capillary)) with (drilling or drill or cut or cutting or machining or machine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 09:40
S26	95	S25 and ("385"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 09:41
S27	0	S26 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 09:41
S28	9	("5325456"   "6236782"   "6448102").PN. OR ("6485191").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 11:16

## EAST Search History

S29	221	((drill or drilling or drilled) near2 (substrate or support or mount or block)) and lens and (fiber or fibre)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 11:26
S30	18	((drill or drilling or drilled) near2 (substrate or support or mount or block)) and lens and (fiber or fibre) and capillary and (cut or cutting or cuts)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 11:34
S31	42	((drill or drilling or drilled or bore or boring) near2 (substrate or support or mount or block)) and lens and (fiber or fibre) and capillary and (cut or cutting or cuts)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 11:58
S32	24	S31 not S30	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 11:36
S33	37	("20010006568"   "3479107"   "4303303"   "4497465"   "4634239"   "4790621"   "4802720"   "4893891"   "4997123"   "5321774"   "5594820"   "5620169"   "5675683"   "5682452"   "5742712"   "5796889"   "5838847"   "5867617"   "5940553"   "5956411"   "5959756"   "5999669"   "6154585"   "6215919"   "6292604"   "6415067").PN. OR ("6477289").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 11:37
S34	21	S33 and lens and (substrate or support or base or block)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 11:58
S35	750	385/52.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 11:58
S36	6	((drill or drilling or drilled or bore or boring) near2 (substrate or support or mount or block)) and lens and (fiber or fibre) and S35	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 11:59
S37	20	("5546486"   "5642448"   "5682452"   "6059462"   "6168319").PN. OR ("6282339").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:00
S38	10	("4880289"   "5781332"   "5841573"   "5889904").PN. OR ("6272264").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:01
S39	24	("4244045"   "5579420"   "5612824"   "5799121"   "5917626").PN. OR ("6084994").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:02

## EAST Search History

S40	32	("4178073"   "4239329"   "4268112"   "4375910"   "4420219"   "4548478"   "4635246"   "4671621"   "4712880"   "4756607").PN. OR ("4893890").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:15
S41	5	(moy.in. or ramel.in. or dhardemare.in.) and ("385"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:17
S42	5	(moy.in. or ramel.in. or dhardemare.in.) and (("359"/\$.ccls.) or ("385"/\$.ccls.))	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:17
S43	24	("5325456".pn.) or ("5375181".pn.) OR ("6282339".PN.) or ("4682018".PN.) OR ("4743751".PN.) OR ("5815497".PN.) OR ("5864577".PN.) OR ("5850390".pn.) or ("6625174".pn.) or ("5973327".pn.) or ("6512231".pn.) or ("6583419".pn.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 12:18
S44	0	S43 and (drill or drilling or drills or drilled)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 12:18
S45	37	(US-20020081066-\$ or US-20030063853-\$ or US-20030103725-\$ or US-20030138183-\$ or US-20030206690-\$ or US-20040175073-\$ or US-20050036740-\$ or US-20050094934-\$ or US-20040120650-\$ or US-20040114876-\$ or US-20030223701-\$ or US-20030123827-\$ or US-20030118294-\$ or US-20030048997-\$).did. or (US-4893890-\$ or US-4925267-\$ or US-5325456-\$ or US-5375181-\$ or US-5384874-\$ or US-5479541-\$ or US-5682452-\$ or US-5768458-\$ or US-6282339-\$ or US-6430337-\$ or US-6438290-\$ or US-6485191-\$ or US-6496623-\$ or US-6751379-\$ or US-6792211-\$ or US-6804423-\$ or US-6907163-\$ or US-6477289-\$ or US-6272264-\$ or US-6085002-\$ or US-6084994-\$ or US-6493484-\$ or US-5267342-\$).did.	US-PGPUB; USPAT	OR	ON	2006/02/13 12:22

## EAST Search History

S46	30	S45 and (substrate or support or block)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 12:22
S47	1	S45 and ((drill or dilling or drills or drilled or bore opr bores or bored or boring) with (substrate or support or block))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 12:23
S48	11	("5325456").URPN.	USPAT	OR	ON	2006/02/13 12:23
S49	6	("6485191").URPN.	USPAT	OR	ON	2006/02/13 12:24
S50	65	385/14.ccls. and 385/52.ccls.	USPAT	OR	ON	2006/02/13 12:32
S51	6	("20010026660"   "20040264866"   "5611006"   "6374021"   "6839474"   "6904190").PN. OR ("6985647").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:26
S52	13	385/14.ccls. and ((drill or drilling or drills or bores or bore or boring) near2 (substrate or support or block or wafer or base))	USPAT	OR	ON	2006/02/13 12:34
S53	1999	385/14.ccls.	USPAT	OR	ON	2006/02/13 12:35
S54	1999	S53 and (ad<="2002")	USPAT	OR	ON	2006/02/13 12:35
S55	0	S53 and (@ad<="2002")	USPAT	OR	ON	2006/02/13 12:35
S56	22	S53 and (substrate or base or suuport or block) and lens and capillary	USPAT	OR	ON	2006/02/13 12:37
S57	52	S53 and (substrate or base or suuport or block) and lens and ferrule	USPAT	OR	ON	2006/02/13 12:37
S58	32	("4122479"   "4843448"   "5027171"   "5416043"   "5492857"   "5493437"   "5550380"   "5572040"   "5596205"   "5600169"   "5605856"   "5663570"   "5764832"   "5858814"   "5861336"   "5863823"   "5883396"   "5895957"   "5920233"   "5923951"   "5930638"   "5973363"   "5973382"   "6005262"   "6034431"   "6057555"   "6081638"   "6243508"   "6257772"   "6389202"   "6466349"   "6504977").PN. OR ("6869229").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:38



## EAST Search History

S59	93	("3968564"   "4188708"   "4225213"   "4373778"   "4432604"   "4465333"   "4485391"   "4553811"   "4553813"   "4585300"   "4611886").PN. OR ("4732446").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:45
S60	37	("3081168"   "4136928"   "4376160"   "4461535"   "4564584"   "4655876"   "4732446"   "4751171"   "4869780"   "5170448"   "5279924"   "5366849"   "5480764").PN. OR ("5786925").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 12:49
S61	621	((filter or isolater) near2 (channel or groove or trench or recess)) and ((lens or micro-lens or microlens or collimator or focusing) with (fiber or fibre))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 13:49
S62	1149	((opening or via or groove or trnech or channel or hole or recess) near2 (ferrule ot capillary)) with (drilling or drill or cut or cutting or machining or machine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 13:49
S63	0	S62 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/13 13:49
S64	6	("20010026660"   "20040264866"   "5611006"   "6374021"   "6839474"   "6904190").PN. OR ("6985647").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/13 14:15
S65	300	385/73.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 13:09
S66	2	"6898338".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 11:17
S67	2	"6411764".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 11:56

## EAST Search History

S68	2	"20020141682"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 11:56
S69	3	"6801692"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 11:57
S70	4	"6813417"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 11:57
S71	14	"5157746"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 11:58
S72	4	"6813417"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 12:01
S73	2	"20040067023"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 12:02
S74	2	"20050213870"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 12:02
S75	20	S65 and (capillary and lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 12:15
S76	14	S65 and (ferrule and substrate and lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 12:29
S77	37	("4836638"   "5481629"   "5542013"   "5611006").PN. OR ("5706371").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 12:21

## EAST Search History

S78	14	drill and cut and (ferrule and substrate and lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 12:30
S79	137	bore and cut and (ferrule and substrate and lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 13:21
S80	132	S79 not S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 12:31
S81	21	"5076371"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 12:40
S82	38	"5706371"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 12:40
S83	37	("4836638"   "5481629"   "5542013"   "5611006").PN. OR ("5706371").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/15 12:54
S84	3	"6580842"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 13:10
S85	6	"6535655"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 13:12
S86	3	"6665464"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 13:13
S87	5	"6118915"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 13:13

## EAST Search History

S88	6	("5325456" or "5375181" or "6282339").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/02 17:03
S89	4684	385/33,50,72,74,93.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/09 16:51
S90	4058	385/33,50,72,74.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/09 16:52
S91	392	S90 and (((fiber or waveguide or lightguide) with (lens or lenses)) with (ferrule or tube or ferrules or tubes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/09 16:52
S92	563	S89 and (((fiber or waveguide or lightguide) with (lens or lenses)) with (ferrule or tube or ferrules or tubes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/09 16:52
S93	353	S92 and (@ad<"20020126")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/09 16:52
S94	1	"10518082"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 13:37
S95	40	"5706371"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 13:48
S96	39	("4836638"   "5481629"   "5542013"   "5611006").PN. OR ("5706371").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 13:49
S97	12	("5689360"   "5689593"   "5696856"   "5706371"   "5808793"   "5825950"   "6014475"   "6043933"   "6075642"   "6167174"   "6249619").PN. OR ("6580842").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/25 14:39

## EAST Search History

S98	577	"385"/\$.cls. and (((fibre or fiber) near3 array) with (trench or cut or hole))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 14:40
S99	40	"5706371"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/25 15:03